

WHAT IS CLAIMED IS:

1. A vehicle roof rack assembly having a side rail configured to be longitudinally installed on a roof panel of a vehicle and a cross rail disposed in a horizontal direction with respect to the side rail, comprising:

5 guide grooves longitudinally provided on both lateral surfaces of the side rail;
and

a mounting member slidably engaging the cross rail to the side rail, the mounting member comprising a connecting part that is coupled to the cross rail and a locking means that securely fixes movement of the cross rail with respect to the side rail.

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2. The vehicle roof rack assembly according to claim 1, wherein said side rail is formed of a hollow member having closed ends, and a center portion of left and right lateral surfaces are inwardly bent and have a cross section of a train rail, respectively, for thereby forming the guide grooves.

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3. The vehicle roof rack assembly according to claim 1, wherein said cross rail is formed of a bar shaped hollow member wherein an engaging part longitudinally extends from one side of the mounting member and is inserted into an interior of an end of the same.

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4. The vehicle roof rack assembly according to claim 1, wherein said mounting member comprises:

an inner mounting member supported by a lateral surface and an upper surface including an inner side guide groove of the side rail and having a locking means and an engaging part; and

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an outer mounting member supported by a lateral surface and an upper surface including an outer side guide groove of the side rail wherein the upper side support parts of the members supported on the upper surface of the side rail are engaged with each other by an engaging means.

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5. The vehicle roof rack assembly according to claim 4, wherein insertion guide parts inserted in the guide grooves and guided thereby protrude from lower side support parts of the members supported on the lateral surfaces of the side rail.

6. The vehicle roof rack assembly according to claim 4, wherein said engaging means is a screw capable of engaging the upper side support parts of the members in a state that they are overlapped.

5 7. The vehicle roof rack assembly according to claim 1, wherein said locking means is a bolt engaged through the bolt hole of the mounting member so that a body end locks the guide groove inner surface.

8. A vehicle roof rack assembly, comprising:
10 first and second side rails configured for installation on a vehicle roof panel in a longitudinal direction, said guide rails defining guide grooves along inner and outer lateral surfaces;
mounting members configured to be received around a top surface of each side rail with inward lateral projections received in each of the inner and outer guide grooves,
15 one said projection being shorter in length and having a locking means extending therethrough for contact with its associated guide groove, the mounting member each further having inwardly projecting engaging parts; and
at least one cross rail configured to be received on said engaging parts and extending between said mounting members received on the side rails.